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NAWC WARMINSTER
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FOLLOW-UP ACTION FROM VAPOR INTRUSTION INVESTIGATION FIELD REPORT
ACTIVITIES CONDUCTED OPERABLE UNIT 3 (OU 3) NAWC WARMINSTER PA
7/8/2016
TETRA TECH



TETRA TECH EC, INC.

July 8, 2016
FILE #: 4659-WE16-16-0231

Mr. Jeff Dale
Navy Remedial Project Manager
NAVFAC MidAtlantic
4911 South Broad Street
Philadelphia, PA 19112

**SUBJECT: N62470-13-D-8007 CONTRACT TASK ORDER WE16
FOLLOW-UP ACTION FROM VAPOR INTRUSION INVESTIGATION
FORMER NAVAL WARFARE CENTER (NAWC) WARMINSTER, PA
FIELD REPORT ACTIVITIES CONDUCTED**

Dear Mr. Dale:

Tetra Tech EC, Inc. (TtEC) has prepared this Field Report for the United States Department of the Navy (Navy), Naval Facilities Engineering Command (NAVFAC), Mid-Atlantic under a Remedial Action Contract, N62470-13-D-8007, Contract Task Order (CTO) WE16. This Field Report documents activities that were conducted at a site associated with the former Naval Air Warfare Center (NAWC) Warminster, Warminster Township, Pennsylvania. A Site Location Map is included as Figure 1.

This Field Report documents the activities that were performed at Cancer Support Community of Greater Philadelphia (Gilda's Club), which is located at 200 Kirk Road. This location is within the former NAWC Warminster Area C, identified as Operable Unit 3. The work included the performance of a radon detection test, evaluation of the existing radon mitigation system, and sealing of an opening in the building's basement floor. The opening was approximately eight inches deep with a 4-inch diameter PVC pipe in its center.

On December 7, 2015, a radon test was initiated by Radon Protection Systems, Inc. of Pipersville, Pennsylvania (Radon Testing Firm #2651) and was completed on December 9, 2015. The radon test was performed in the basement of the subject property with "closed house" conditions. The results of the radon testing indicated a concentration of 1.5 picocuries per liter (pCi/L), which is below the Pennsylvania Department of Environmental Protection recommended action level of 4.0 pCi/L.

During the December 7 site visit, a TtEC representative and Radon Protection Systems examined the existing radon mitigation system that is currently in operation at the Site. The contractor


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determined that the existing system was operating properly. In addition to the system evaluation, the radon contractor examined an opening that was present in the floor in a corner of the basement. Based on the experience of a radon specialist, it is generally observed that in older buildings (such as this one), radon tends to gather at the center of the floor, not at a corner. Installation of additional vacuum points in this area to provide extra vacuum would not significantly increase the effectiveness of the existing radon treatment system, instead, it was proposed that this opening be sealed.

The results of the radon sampling and recommendations were presented to Gilda's Club and Bucks County and it was determined that TtEC would remove the existing pipe and place concrete in the opening to provide a seal. On February 1, 2016, TtEC mobilized to the Site to seal the opening. The concrete was mixed according to the directions, placed in the opening, and leveled. Photographs showing the repaired floor are presented as an attachment.

Should you have any questions or concerns, please contact me at 215-702-4070 or by email at derek.pinkham@tetrattech.com.

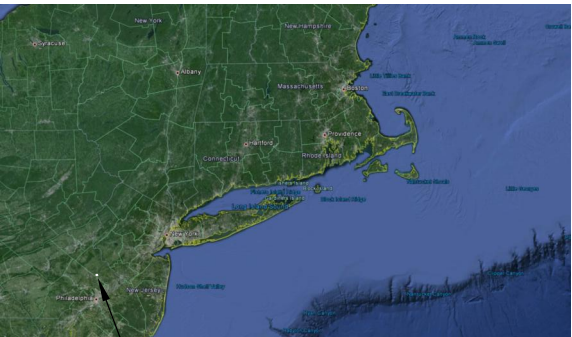
Sincerely,

A handwritten signature in dark ink, appearing to read 'Derek Pinkham', written in a cursive style.

Derek Pinkham
Project Manager

Attachment

cc: Willie Lin, BRAC PMO East
Sarah Kloss, Kathy Davies, USEPA
Colin Wade, Mike Penzone, PADEP
Ginny Krystopowicz, CSCGP at Gilda's Club
Peter McElroy, Bucks County
M. Marrow, Administrative Record
File



KEY PLAN
— WARMINSTER, PHILADELPHIA

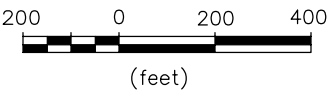


FIGURE 1
SITE LOCATION MAP
FORMER NAVAL AIR WARFARE CENTER WARMINSTER,
WARMINSTER, PHILADELPHIA

REVISION: —
AUTHOR: A.CRABTREE
PROJECT NO:
FILE: SEE BELOW



Completed Floor Sealing

